

## CHAPTER FOUR

# ENGINE TOP END

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This chapter provides complete service and overhaul procedures, including information for disassembly, removal, inspection, service and reassembly of the engine top end components. These include the rocker arms, cylinder head, valves, cylinder block, piston, piston rings and camshaft. Exhaust system service is also covered. Before starting any work, read the service tips in Chapter One.

**Table 1** lists general engine specifications and **Table 2** lists engine service specifications. **Tables 1-3** are located at the end of the chapter.

The TRX350 is equipped with an overhead valve pushrod engine. The camshaft is mounted in the crankcase and is driven off the crankshaft by a short cam chain. The camshaft operates followers which move the pushrods against the rocker arms.

### CLEANLINESS

Repairs go much faster and easier if the engine is clean before beginning work. This is important

when servicing the engine top end. Clean the engine and surrounding area before working on the engine top end.

### EXHAUST SYSTEM

Refer to **Figure 1**.

#### Removal/Installation

#### *WARNING*

*Do not remove the exhaust pipe or muffler while they are hot.*

1. Remove the side cover and rear fender (Chapter Fifteen).
2. Loosen the exhaust pipe flange nuts.
3. Remove the muffler as follows:
  - a. Loosen the muffler clamp bolts (**Figure 2**).
  - b. Remove the muffler mounting nuts (**Figure 3**).
  - c. Remove the muffler and gasket (13, **Figure 1**).

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